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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

11-29-2021

2021-11-29_MichiganOverview_COVIDstats

Michigan Department of Health & Human Services

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Coronavirus

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Michigan Data

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Symptoms

Cumulative
Recovered

Outbreak
Reporting

School-Related
Outbreak
Reporting

Wastewater
Surveillance

Testing
Turnaround
Time

MIS-C Data
and Reporting

Data and
Modeling
Updates

COVID case and testing data will be posted three times a week on Mondays, Wednesdays and Fridays.

Note on cases (11/29/2021): Today's daily case count represents new referrals of confirmed cases to the MDSS since the last web update report. Over the five days (Thursday, Friday, Saturday, Sunday, and Monday), the average number of new confirmed cases is ~5066 per day.

Note on deaths (11/29/2021): Regular reviews of death certificate data maintained in Vital Records reporting systems are conducted by MDHHS staff three times per week. As a part of this process, records that identify COVID-19 infection as a contributing factor to death are compared against all laboratory confirmed cases of COVID-19 in the Michigan Disease Surveillance System (MDSS). If a death certificate is matched to a confirmed COVID-19 case and that record in the MDSS does not indicate the individual died, the MDSS record is updated to indicate the death and the appropriate local health department is notified. These matched deaths are then included with mortality information posted to the Michigan Coronavirus website. As a result of the most recent assessment, today's data includes **57** additional deaths identified by this methodology.

The State of Michigan is working around the clock to test and treat COVID-19 patients. Below is the most recent data healthcare experts across the state have compiled. It is updated Monday, Wednesday & Friday. **Looking for COVID-19 Vaccine data? Click here.**

CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

CONFIRMATORY TESTING

LEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive NAAT/RT-PCR test for COVID-19. Probable cases include individuals with either a positive rapid antigen detection test OR COVID-19 symptoms and an epidemiologic link to a confirmed COVID-19 case, but no diagnostic test.

Cases by County

51-357

358-4094

4095-17978

17979-168181

168182+

Michigan

Monday, November 29, 2021

Current Totals

Laboratory Testing

TestType	Tests Performed
Diagnostic	18,722,238
Serology	741,204
Total	19,463,442

Microsoft Power BI

< 1 of 7 >

Cases by Hispanic/Latino Ethnicity

Hispanic/Latino Ethnicity	Percentage of Confirmed Cases by Ethnicity	Percentage of Confirmed Deceased Cases by Ethnicity
Hispanic/Latino	4.94%	3.23%
Non-Hispanic/Latino	69.56%	88.74%
Unknown	25.50%	8.03%

Totals may not add to 100% due to rounding

Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Confirmed Cases by Ethnicity	Percentage of Deceased Confirmed Cases by Ethnicity
Arab	2.35%	1.59%
Non-Arab	45.60%	51.81%
Unknown	52.05%	46.60%

Totals may not add to 100% due to rounding

PUBLIC USE DATASETS 11/29/2021

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date of Onset of Symptoms and Date of Death

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 11/23/2021): 1,090,933

During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on November 23, 2021 represents COVID-19 confirmed individuals with an onset date on or prior to October 24, 2021. If an individual expires from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Monday.

Source: Michigan Disease Surveillance System and Vital Records



[View Cases](#)[View Deaths](#)[View Table](#)

Select Preparedness Region:

All

Select County:

All

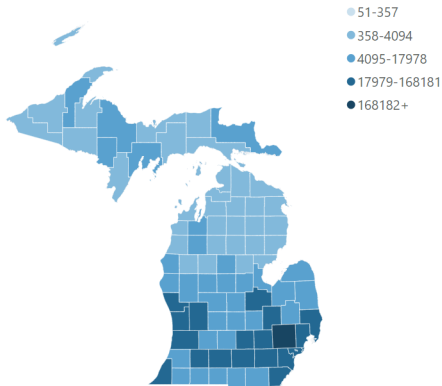
This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Cases by County

Confirmed cases include individuals with a positive NAAT/RT-PCR test for COVID-19. Probable cases include individuals with either a positive rapid antigen detection test OR COVID-19 symptoms and an epidemiologic link to a confirmed COVID-19 case, but no diagnostic test.

Cases by County



Michigan

Monday, November 29, 2021

Michigan (Statewide) Case Fatality Rate

1.8%

Current Totals

Case Status	Cases	Deaths
Confirmed	1,301,593	23,732
Probable	173,460	1,667
Total	1,475,053	25,399

Laboratory Testing

TestType	Tests Performed
Diagnostic	18,722,238
Serology	741,204
Total	19,463,442

[View Cases](#)[View Deaths](#)[View Table](#)

Select Preparedness Region:

All

Select County:

All

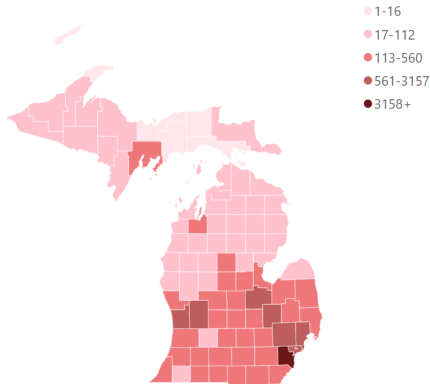
This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

COVID-19 Deaths by County

Confirmed deaths include individuals who had a confirmed COVID-19 infection AND are either classified as deceased during the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Probable deaths include individuals who have COVID-19 indicated on their death certificate where there is no available evidence of a confirmatory test result (positive or negative).

Deaths by County



Michigan

Monday, November 29, 2021

Michigan (Statewide) Case Fatality Rate

1.8%

Current Totals

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Laboratory Testing

TestType	Tests Performed
Diagnostic	18,722,238
Serology	741,204
Total	19,463,442

Cases

Deaths

View Table

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Daily Cases by Status

The number of daily confirmed cases represent the total number of people who had a positive NAAT/RT-PCR test for COVID-19. Cases are shown by the date of onset of symptoms.

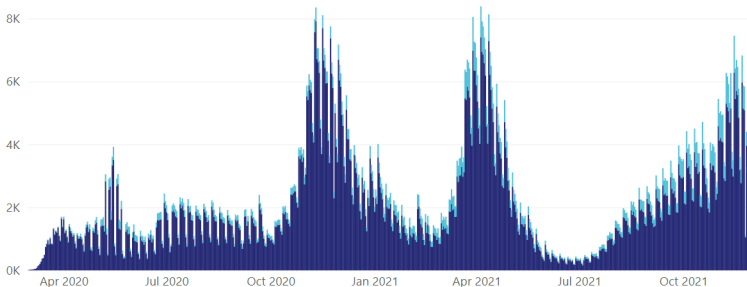
Filter by Date:

3/1/2020

11/29/2021

Cases by Date of Onset

CASE_STATUS ● Confirmed ● Probable



Cases

Deaths

View Table

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Daily Deaths by Status

Confirmed deaths include individuals who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Data are shown by the date of death.

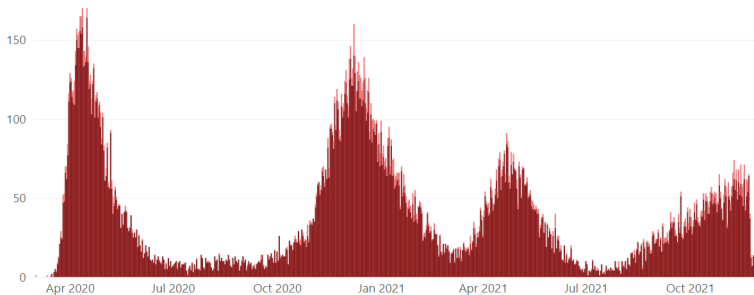
Filter by Date:

3/1/2020

11/29/2021

Deaths by Date of Death

CASE_STATUS ● Confirmed ● Probable





STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

CONFIRMATORY
TESTING

LEARN MORE

View Table

View Chart

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore these data are not displayed by date.

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

Cumulative Confirmed Cases and Deaths among Confirmed Cases

Cumulative cases represent the total number of people who had a positive NAAT/RT-PCR test for COVID-19. Cases are shown by the date of onset of symptoms. Cumulative Deaths represent the total number of people who had a confirmed COVID-19 infection AND are either classified as deceased during the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of onset and their manner of death is listed as natural. Deaths are shown by date of death.

Filter By Date:

3/1/2020

11/29/2021

Cumulative Confirmed Cases and Deaths among Confirmed Cases by Date

● Cumulative Cases ● Cumulative Deaths

1.4M

1.2M

1.0M

0.8M

0.6M

0.4M

0.2M

0.0M

Apr 2020

Jul 2020

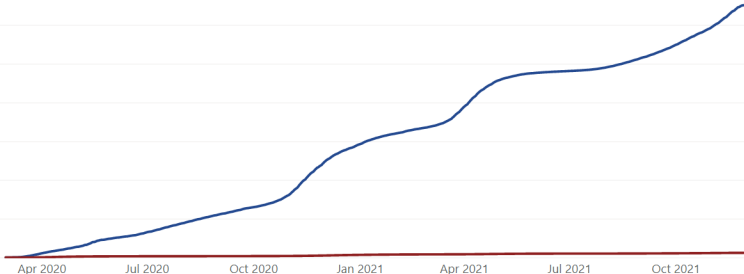
Oct 2020

Jan 2021

Apr 2021

Jul 2021

Oct 2021



Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- ☒ Confirmed
☐ Probable

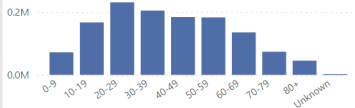
Select Preparedness Region:

All

Select county:

All

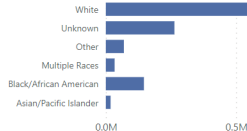
Cases by Age Group



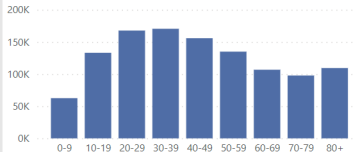
Cases by Sex



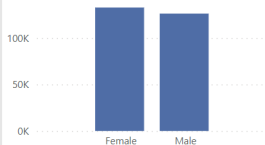
Cases by Race



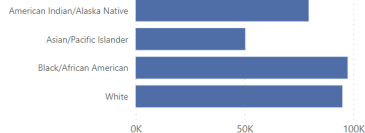
Cases per Million by Age Group



Cases per Million by Sex



Cases per Million by Race



Cases by Demographic Characteristics

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Cases

Deaths

Select case status:

- ☐ Confirmed
☒ Probable

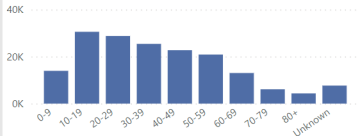
Select Preparedness Region:

All

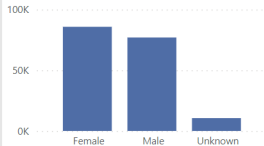
Select county:

All

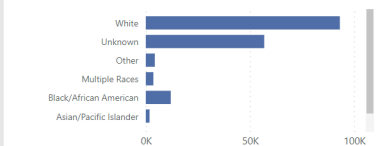
Cases by Age Group



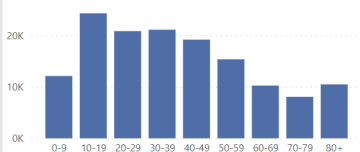
Cases by Sex



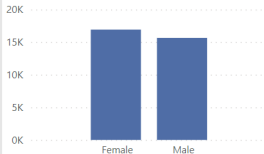
Cases by Race



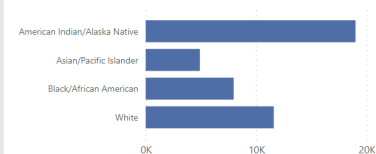
Cases per Million by Age Group



Cases per Million by Sex



Cases per Million by Race



Deaths by Demographic Characteristics

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Cases

Deaths

Select case status:

- ☒ Confirmed
☐ Probable

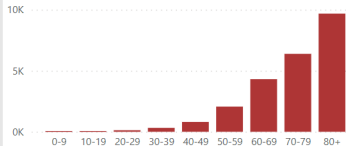
Select Preparedness Region:

All

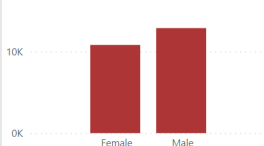
Select county:

All

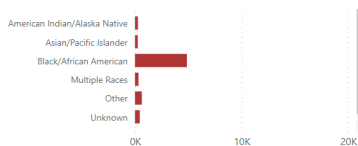
Deaths by Age Group



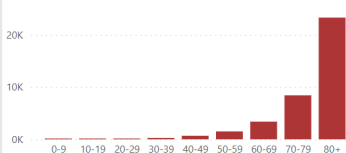
Deaths by Sex



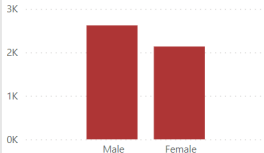
Deaths by Race



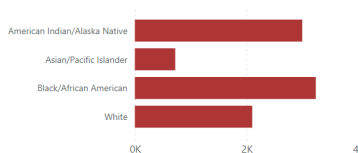
Deaths per Million by Age Group



Deaths per Million by Sex



Deaths per Million by Race



Deaths by Demographic Characteristics

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Cases

Deaths

Select case status:

- ☐ Confirmed
☒ Probable

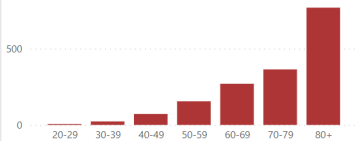
Select Preparedness Region:

All

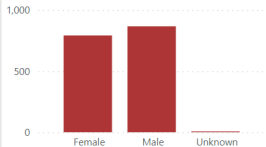
Select county:

All

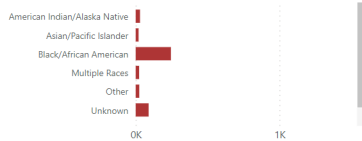
Deaths by Age Group



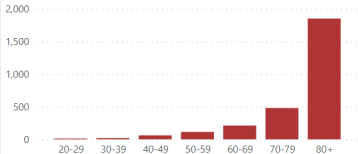
Deaths by Sex



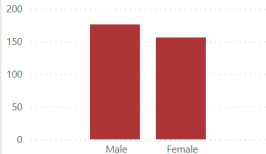
Deaths by Race



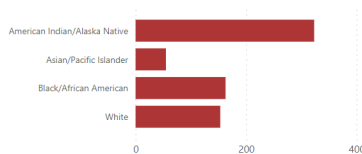
Deaths per Million by Age Group



Deaths per Million by Sex



Deaths per Million by Race



[View Table](#)[View Charts](#)

Select Preparedness Region:

All

Select County:

All

Confirmatory tests are used to find current infection and look for genes from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Total Covid-19 Laboratory Tests

Total testing includes both confirmatory tests which are used to determine if an individual currently has COVID-19 and serology testing which is used to determine if a person has antibodies to COVID-19.

Filter by Date:

3/10/2020

11/28/2021

Total Laboratory Tests by Type and Date

Test Type ● Diagnostic ● Serology

100K

50K

0K

Apr 2020

Jul 2020

Oct 2020

Jan 2021

Apr 2021

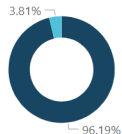
Jul 2021

Oct 2021

Total Tests Completed to Date

Test Type	Total Tests	Tests per Million Residents
Diagnostic	18,722,238	1,873,886
Serology	741,204	74,186
Total	19,463,442	1,948,072

Percent of Tests Completed by Type



Test Type

● Diagnostic

● Serology



STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

CONFIRMATORY
TESTING

LEARN MORE

View Table

View Charts

Select Preparedness Region

All



Select County

All



Confirmatory tests are used to find current infection and look for genes from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) tests. Confirmatory tests do not include serology tests which look for antibodies to SARS-Cov-2 in the blood.

Confirmatory Covid-19 Laboratory Tests

Confirmatory tests are used to determine if an individual is currently infected with COVID-19.

Filter by Date

3/10/2020

11/28/2021

Total Laboratory Tests by Type and Date

Test Type ● Negative ● Positive

100K

50K

0K

Apr 2020

Jul 2020

Oct 2020

Jan 2021

Apr 2021

Jul 2021

Oct 2021

Percent of Confirmatory Tests That Were Positive

60%

40%

20%

0%

Apr 2020

Jul 2020

Oct 2020

Jan 2021

Apr 2021

Jul 2021

Oct 2021

Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

PUBLIC USE DATASETS

Cases and Deaths by County

README

Includes total cases and deaths to date by case status (confirmed or probable) and county. County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

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Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

CASES AND DEATHS BY COUNTY 2021-11-29

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2021/11/29 12:49:37	Alcona	1019	44	301	6
2021/11/29 12:49:37	Alger	635	4	347	5
2021/11/29 12:49:37	Allegan	16130	192	1849	28
2021/11/29 12:49:37	Alpena	3020	77	985	4
2021/11/29 12:49:37	Antrim	2145	36	667	6
2021/11/29 12:49:37	Arenac	1912	43	185	1
2021/11/29 12:49:37	Baraga	1184	44	202	2
2021/11/29 12:49:37	Barry	8169	94	1385	8
2021/11/29 12:49:37	Bay	15909	406	1315	20
2021/11/29 12:49:37	Benzie	1638	41	466	4
2021/11/29 12:49:37	Berrien	19437	323	2288	24
2021/11/29 12:49:37	Branch	6907	117	726	5
2021/11/29 12:49:37	Calhoun	18571	373	3223	20
2021/11/29 12:49:37	Cass	6913	94	1061	7
2021/11/29 12:49:37	Charlevoix	2120	35	884	7
2021/11/29 12:49:37	Cheboygan	2440	71	843	3
2021/11/29 12:49:37	Chippewa	1869	46	2582	10
2021/11/29 12:49:37	Clare	3893	114	663	3
2021/11/29 12:49:37	Clinton	8675	123	3695	7
2021/11/29 12:49:37	Crawford	1493	17	241	0
2021/11/29 12:49:37	Delta	5361	102	1208	20
2021/11/29 12:49:37	Dickinson	3363	69	1236	17
2021/11/29 12:49:37	Eaton	13723	264	2316	15
2021/11/29 12:49:37	Emmet	2913	54	994	1
2021/11/29 12:49:37	Genesee	47321	1080	13944	90
2021/11/29 12:49:37	Gladwin	3123	79	601	4
2021/11/29 12:49:37	Gogebic	1676	27	425	29
2021/11/29 12:49:37	Grand Traverse	8957	117	1892	17
2021/11/29 12:49:37	Gratiot	5107	134	1895	6
2021/11/29 12:49:37	Hillsdale	6649	141	719	5
2021/11/29 12:49:37	Houghton	4356	51	834	10
2021/11/29 12:49:37	Huron	4308	94	1360	8
2021/11/29 12:49:37	Ingham	31879	486	4589	13
2021/11/29 12:49:37	Ionia	10460	110	279	3
2021/11/29 12:49:37	Iosco	3119	97	381	6
2021/11/29 12:49:37	Iron	1526	53	170	12
2021/11/29 12:49:37	Isabella	8721	133	1637	7
2021/11/29 12:49:37	Jackson	22969	354	2693	13
2021/11/29 12:49:37	Kalamazoo	30725	436	3894	52
2021/11/29 12:49:37	Kalkaska	1949	39	175	1
2021/11/29 12:49:37	Kent	100945	978	8405	104
2021/11/29 12:49:37	Keweenaw	318	7	41	1
2021/11/29 12:49:37	Lake	1037	22	145	3
2021/11/29 12:49:37	Lapeer	11287	264	2280	8
2021/11/29 12:49:37	Leelanau	1605	31	496	3
2021/11/29 12:49:37	Lenawee	13706	207	2148	6

2021/11/29 12:49:37	Livingston	24190	265	4268	17
2021/11/29 12:49:37	Luce	403	4	455	1
2021/11/29 12:49:37	Mackinac	982	13	503	1
2021/11/29 12:49:37	Macomb	128291	2696	11879	159
2021/11/29 12:49:37	Manistee	1820	41	342	5
2021/11/29 12:49:37	Marquette	6704	84	1465	5
2021/11/29 12:49:37	Mason	3853	55	243	1
2021/11/29 12:49:37	Mecosta	5349	59	340	2
2021/11/29 12:49:37	Menominee	2845	49	1000	5
2021/11/29 12:49:37	Midland	11035	145	994	11
2021/11/29 12:49:37	Missaukee	1684	28	401	13
2021/11/29 12:49:37	Monroe	19577	297	4187	32
2021/11/29 12:49:37	Montcalm	9176	142	1226	3
2021/11/29 12:49:37	Montmorency	905	33	333	2
2021/11/29 12:49:37	Muskegon	24886	436	1005	13
2021/11/29 12:49:37	Newaygo	7325	94	509	3
2021/11/29 12:49:37	Oakland	146132	2615	22050	179
2021/11/29 12:49:37	Oceana	4222	69	213	6
2021/11/29 12:49:37	Ogemaw	2532	64	542	7
2021/11/29 12:49:37	Ontonagon	612	22	76	1
2021/11/29 12:49:37	Osceola	3075	50	468	0
2021/11/29 12:49:37	Oscoda	908	40	186	2
2021/11/29 12:49:37	Otsego	3017	59	891	8
2021/11/29 12:49:37	Ottawa	45160	492	4143	70
2021/11/29 12:49:37	Presque Isle	1229	44	373	2
2021/11/29 12:49:37	Roscommon	2616	74	634	6
2021/11/29 12:49:37	Saginaw	29344	681	2333	24
2021/11/29 12:49:37	Sanilac	5162	138	834	10
2021/11/29 12:49:37	Schoolcraft	723	5	269	1
2021/11/29 12:49:37	Shiawassee	9155	140	1853	8
2021/11/29 12:49:37	St Clair	21827	527	4395	27
2021/11/29 12:49:37	St Joseph	8658	121	1178	12
2021/11/29 12:49:37	Tuscola	7316	198	1476	18
2021/11/29 12:49:37	Van Buren	10218	167	731	16
2021/11/29 12:49:37	Washtenaw	34460	332	4106	9
2021/11/29 12:49:37	Wayne	142760	2957	10811	201
2021/11/29 12:49:37	Wexford	3741	64	755	6
2021/11/29 12:49:37	MDOC	26038	153	2015	3
2021/11/29 12:49:37	FCI	316	5	5	0
2021/11/29 12:49:37	Out-of-State	2567	27	198	3
2021/11/29 12:49:37	Unknown	18	1	33	0
2021/11/29 12:49:37	Detroit City	69580	2523	5077	151

PUBLIC USE DATASETS

Cases by Demographics Statewide

README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

CASES BY DEMOGRAPHICS STATEWIDE 2021-11-29

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	308	0
Confirmed	10-19	American Indian/Alaska Native	Female	591	0
Confirmed	20-29	American Indian/Alaska Native	Female	752	0
Confirmed	30-39	American Indian/Alaska Native	Female	657	Suppressed
Confirmed	40-49	American Indian/Alaska Native	Female	572	10
Confirmed	50-59	American Indian/Alaska Native	Female	503	17
Confirmed	60-69	American Indian/Alaska Native	Female	333	26
Confirmed	70-79	American Indian/Alaska Native	Female	164	36
Confirmed	80+	American Indian/Alaska Native	Female	90	40
Confirmed	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Confirmed	0-9	Asian/Pacific Islander	Female	538	0
Confirmed	10-19	Asian/Pacific Islander	Female	1218	0
Confirmed	20-29	Asian/Pacific Islander	Female	1947	0
Confirmed	30-39	Asian/Pacific Islander	Female	1801	6
Confirmed	40-49	Asian/Pacific Islander	Female	1521	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Female	1152	11
Confirmed	60-69	Asian/Pacific Islander	Female	590	16
Confirmed	70-79	Asian/Pacific Islander	Female	310	32
Confirmed	80+	Asian/Pacific Islander	Female	175	40
Confirmed	Unknown	Asian/Pacific Islander	Female	7	0
Confirmed	0-9	Black/African American	Female	4561	Suppressed
Confirmed	10-19	Black/African American	Female	9053	Suppressed
Confirmed	20-29	Black/African American	Female	15593	24
Confirmed	30-39	Black/African American	Female	14447	48
Confirmed	40-49	Black/African American	Female	10827	101
Confirmed	50-59	Black/African American	Female	8946	259
Confirmed	60-69	Black/African American	Female	6800	532
Confirmed	70-79	Black/African American	Female	3716	619
Confirmed	80+	Black/African American	Female	2343	759
Confirmed	Unknown	Black/African American	Female	52	0
Confirmed	0-9	Multiple Races	Female	1167	0
Confirmed	10-19	Multiple Races	Female	2923	Suppressed
Confirmed	20-29	Multiple Races	Female	3369	0
Confirmed	30-39	Multiple Races	Female	2495	Suppressed
Confirmed	40-49	Multiple Races	Female	2389	6
Confirmed	50-59	Multiple Races	Female	2402	10
Confirmed	60-69	Multiple Races	Female	1732	23
Confirmed	70-79	Multiple Races	Female	950	35
Confirmed	80+	Multiple Races	Female	586	73
Confirmed	Unknown	Multiple Races	Female	13	0
Confirmed	0-9	Other	Female	2614	Suppressed
Confirmed	10-19	Other	Female	5074	Suppressed
Confirmed	20-29	Other	Female	6836	Suppressed
Confirmed	30-39	Other	Female	5677	Suppressed
Confirmed	40-49	Other	Female	5108	15
Confirmed	50-59	Other	Female	3994	27
Confirmed	60-69	Other	Female	2563	61

Confirmed	70-79	Other	Female	1246	58
Confirmed	80+	Other	Female	757	100
Confirmed	Unknown	Other	Female	38	0
Confirmed	0-9	Unknown	Female	5924	0
Confirmed	10-19	Unknown	Female	16056	0
Confirmed	20-29	Unknown	Female	24524	Suppressed
Confirmed	30-39	Unknown	Female	22000	Suppressed
Confirmed	40-49	Unknown	Female	20707	7
Confirmed	50-59	Unknown	Female	20395	15
Confirmed	60-69	Unknown	Female	12664	33
Confirmed	70-79	Unknown	Female	5805	48
Confirmed	80+	Unknown	Female	3489	91
Confirmed	Unknown	Unknown	Female	180	0
Confirmed	0-9	White	Female	19746	Suppressed
Confirmed	10-19	White	Female	50749	Suppressed
Confirmed	20-29	White	Female	68942	26
Confirmed	30-39	White	Female	60999	63
Confirmed	40-49	White	Female	54890	166
Confirmed	50-59	White	Female	55421	449
Confirmed	60-69	White	Female	43482	1042
Confirmed	70-79	White	Female	25836	1800
Confirmed	80+	White	Female	19472	4074
Confirmed	Unknown	White	Female	340	0
Confirmed	0-9	American Indian/Alaska Native	Male	258	0
Confirmed	10-19	American Indian/Alaska Native	Male	583	0
Confirmed	20-29	American Indian/Alaska Native	Male	609	Suppressed
Confirmed	30-39	American Indian/Alaska Native	Male	533	Suppressed
Confirmed	40-49	American Indian/Alaska Native	Male	480	Suppressed
Confirmed	50-59	American Indian/Alaska Native	Male	389	17
Confirmed	60-69	American Indian/Alaska Native	Male	307	57
Confirmed	70-79	American Indian/Alaska Native	Male	154	37
Confirmed	80+	American Indian/Alaska Native	Male	57	26
Confirmed	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Confirmed	0-9	Asian/Pacific Islander	Male	629	0
Confirmed	10-19	Asian/Pacific Islander	Male	1211	0
Confirmed	20-29	Asian/Pacific Islander	Male	2152	Suppressed
Confirmed	30-39	Asian/Pacific Islander	Male	1641	Suppressed
Confirmed	40-49	Asian/Pacific Islander	Male	1279	8
Confirmed	50-59	Asian/Pacific Islander	Male	1048	11
Confirmed	60-69	Asian/Pacific Islander	Male	608	35
Confirmed	70-79	Asian/Pacific Islander	Male	283	53
Confirmed	80+	Asian/Pacific Islander	Male	138	42
Confirmed	Unknown	Asian/Pacific Islander	Male	10	0
Confirmed	0-9	Black/African American	Male	4721	0
Confirmed	10-19	Black/African American	Male	8180	Suppressed
Confirmed	20-29	Black/African American	Male	13153	30
Confirmed	30-39	Black/African American	Male	12715	67
Confirmed	40-49	Black/African American	Male	10395	168
Confirmed	50-59	Black/African American	Male	9250	376
Confirmed	60-69	Black/African American	Male	6499	636

Confirmed	70-79	Black/African American	Male	3194	735
Confirmed	80+	Black/African American	Male	1318	508
Confirmed	Unknown	Black/African American	Male	33	0
Confirmed	0-9	Multiple Races	Male	1279	Suppressed
Confirmed	10-19	Multiple Races	Male	2795	Suppressed
Confirmed	20-29	Multiple Races	Male	2826	Suppressed
Confirmed	30-39	Multiple Races	Male	2017	Suppressed
Confirmed	40-49	Multiple Races	Male	1933	9
Confirmed	50-59	Multiple Races	Male	1890	13
Confirmed	60-69	Multiple Races	Male	1577	43
Confirmed	70-79	Multiple Races	Male	857	46
Confirmed	80+	Multiple Races	Male	373	63
Confirmed	Unknown	Multiple Races	Male	10	0
Confirmed	0-9	Other	Male	2742	Suppressed
Confirmed	10-19	Other	Male	5065	Suppressed
Confirmed	20-29	Other	Male	6884	Suppressed
Confirmed	30-39	Other	Male	5809	7
Confirmed	40-49	Other	Male	5407	34
Confirmed	50-59	Other	Male	4377	48
Confirmed	60-69	Other	Male	2670	99
Confirmed	70-79	Other	Male	1193	95
Confirmed	80+	Other	Male	503	86
Confirmed	Unknown	Other	Male	32	0
Confirmed	0-9	Unknown	Male	6182	Suppressed
Confirmed	10-19	Unknown	Male	15276	Suppressed
Confirmed	20-29	Unknown	Male	24861	Suppressed
Confirmed	30-39	Unknown	Male	21933	12
Confirmed	40-49	Unknown	Male	19744	17
Confirmed	50-59	Unknown	Male	20100	37
Confirmed	60-69	Unknown	Male	12212	46
Confirmed	70-79	Unknown	Male	4831	57
Confirmed	80+	Unknown	Male	2096	76
Confirmed	Unknown	Unknown	Male	217	0
Confirmed	0-9	White	Male	20910	Suppressed
Confirmed	10-19	White	Male	47654	Suppressed
Confirmed	20-29	White	Male	57874	37
Confirmed	30-39	White	Male	51485	97
Confirmed	40-49	White	Male	48345	257
Confirmed	50-59	White	Male	52722	774
Confirmed	60-69	White	Male	43093	1662
Confirmed	70-79	White	Male	25211	2733
Confirmed	80+	White	Male	13836	3703
Confirmed	Unknown	White	Male	317	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	6	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	Suppressed	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	10	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	12	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	6	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	10	0
Confirmed	10-19	Black/African American	Unknown	28	0
Confirmed	20-29	Black/African American	Unknown	132	0
Confirmed	30-39	Black/African American	Unknown	117	0
Confirmed	40-49	Black/African American	Unknown	124	0
Confirmed	50-59	Black/African American	Unknown	99	0
Confirmed	60-69	Black/African American	Unknown	45	0
Confirmed	70-79	Black/African American	Unknown	12	Suppressed
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	Suppressed	0
Confirmed	0-9	Multiple Races	Unknown	19	0
Confirmed	10-19	Multiple Races	Unknown	26	0
Confirmed	20-29	Multiple Races	Unknown	29	0
Confirmed	30-39	Multiple Races	Unknown	22	0
Confirmed	40-49	Multiple Races	Unknown	22	0
Confirmed	50-59	Multiple Races	Unknown	11	0
Confirmed	60-69	Multiple Races	Unknown	15	0
Confirmed	70-79	Multiple Races	Unknown	6	0
Confirmed	80+	Multiple Races	Unknown	Suppressed	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	67	0
Confirmed	10-19	Other	Unknown	92	0
Confirmed	20-29	Other	Unknown	140	0
Confirmed	30-39	Other	Unknown	157	0
Confirmed	40-49	Other	Unknown	153	0
Confirmed	50-59	Other	Unknown	84	0
Confirmed	60-69	Other	Unknown	56	0
Confirmed	70-79	Other	Unknown	18	0
Confirmed	80+	Other	Unknown	17	0
Confirmed	Unknown	Other	Unknown	6	0
Confirmed	0-9	Unknown	Unknown	308	0
Confirmed	10-19	Unknown	Unknown	687	0
Confirmed	20-29	Unknown	Unknown	838	0
Confirmed	30-39	Unknown	Unknown	657	0
Confirmed	40-49	Unknown	Unknown	627	0
Confirmed	50-59	Unknown	Unknown	544	Suppressed
Confirmed	60-69	Unknown	Unknown	319	0

Confirmed	70-79	Unknown	Unknown	144	0
Confirmed	80+	Unknown	Unknown	74	0
Confirmed	Unknown	Unknown	Unknown	81	0
Confirmed	0-9	White	Unknown	70	0
Confirmed	10-19	White	Unknown	241	0
Confirmed	20-29	White	Unknown	306	0
Confirmed	30-39	White	Unknown	280	0
Confirmed	40-49	White	Unknown	260	0
Confirmed	50-59	White	Unknown	217	0
Confirmed	60-69	White	Unknown	169	Suppressed
Confirmed	70-79	White	Unknown	69	Suppressed
Confirmed	80+	White	Unknown	29	0
Confirmed	Unknown	White	Unknown	Suppressed	0
Probable	0-9	American Indian/Alaska Native	Female	101	0
Probable	10-19	American Indian/Alaska Native	Female	200	0
Probable	20-29	American Indian/Alaska Native	Female	153	0
Probable	30-39	American Indian/Alaska Native	Female	150	0
Probable	40-49	American Indian/Alaska Native	Female	120	0
Probable	50-59	American Indian/Alaska Native	Female	85	0
Probable	60-69	American Indian/Alaska Native	Female	49	Suppressed
Probable	70-79	American Indian/Alaska Native	Female	23	Suppressed
Probable	80+	American Indian/Alaska Native	Female	11	6
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	68	0
Probable	10-19	Asian/Pacific Islander	Female	132	0
Probable	20-29	Asian/Pacific Islander	Female	197	0
Probable	30-39	Asian/Pacific Islander	Female	147	0
Probable	40-49	Asian/Pacific Islander	Female	143	0
Probable	50-59	Asian/Pacific Islander	Female	103	0
Probable	60-69	Asian/Pacific Islander	Female	54	Suppressed
Probable	70-79	Asian/Pacific Islander	Female	24	Suppressed
Probable	80+	Asian/Pacific Islander	Female	10	0
Probable	Unknown	Asian/Pacific Islander	Female	8	0
Probable	0-9	Black/African American	Female	449	0
Probable	10-19	Black/African American	Female	964	0
Probable	20-29	Black/African American	Female	1439	Suppressed
Probable	30-39	Black/African American	Female	1189	Suppressed
Probable	40-49	Black/African American	Female	887	7
Probable	50-59	Black/African American	Female	637	15
Probable	60-69	Black/African American	Female	414	25
Probable	70-79	Black/African American	Female	157	21
Probable	80+	Black/African American	Female	97	38
Probable	Unknown	Black/African American	Female	32	Suppressed
Probable	0-9	Multiple Races	Female	244	0
Probable	10-19	Multiple Races	Female	445	0
Probable	20-29	Multiple Races	Female	294	0
Probable	30-39	Multiple Races	Female	221	0
Probable	40-49	Multiple Races	Female	208	0
Probable	50-59	Multiple Races	Female	184	Suppressed
Probable	60-69	Multiple Races	Female	134	Suppressed

Probable	70-79	Multiple Races	Female	49	Suppressed
Probable	80+	Multiple Races	Female	35	7
Probable	Unknown	Multiple Races	Female	72	0
Probable	0-9	Other	Female	151	0
Probable	10-19	Other	Female	366	0
Probable	20-29	Other	Female	439	0
Probable	30-39	Other	Female	349	0
Probable	40-49	Other	Female	286	0
Probable	50-59	Other	Female	217	Suppressed
Probable	60-69	Other	Female	100	Suppressed
Probable	70-79	Other	Female	48	0
Probable	80+	Other	Female	20	Suppressed
Probable	Unknown	Other	Female	19	0
Probable	0-9	Unknown	Female	1610	Suppressed
Probable	10-19	Unknown	Female	3725	0
Probable	20-29	Unknown	Female	4221	0
Probable	30-39	Unknown	Female	3537	Suppressed
Probable	40-49	Unknown	Female	3286	0
Probable	50-59	Unknown	Female	3107	Suppressed
Probable	60-69	Unknown	Female	1924	8
Probable	70-79	Unknown	Female	786	Suppressed
Probable	80+	Unknown	Female	467	24
Probable	Unknown	Unknown	Female	2043	0
Probable	0-9	White	Female	3766	0
Probable	10-19	White	Female	8612	0
Probable	20-29	White	Female	7888	Suppressed
Probable	30-39	White	Female	7453	Suppressed
Probable	40-49	White	Female	6715	13
Probable	50-59	White	Female	6140	47
Probable	60-69	White	Female	3961	56
Probable	70-79	White	Female	2072	109
Probable	80+	White	Female	2092	379
Probable	Unknown	White	Female	512	Suppressed
Probable	0-9	American Indian/Alaska Native	Male	123	0
Probable	10-19	American Indian/Alaska Native	Male	226	0
Probable	20-29	American Indian/Alaska Native	Male	147	0
Probable	30-39	American Indian/Alaska Native	Male	115	0
Probable	40-49	American Indian/Alaska Native	Male	94	Suppressed
Probable	50-59	American Indian/Alaska Native	Male	78	Suppressed
Probable	60-69	American Indian/Alaska Native	Male	37	Suppressed
Probable	70-79	American Indian/Alaska Native	Male	19	7
Probable	80+	American Indian/Alaska Native	Male	11	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	89	0
Probable	10-19	Asian/Pacific Islander	Male	154	0
Probable	20-29	Asian/Pacific Islander	Male	211	0
Probable	30-39	Asian/Pacific Islander	Male	161	Suppressed
Probable	40-49	Asian/Pacific Islander	Male	115	0
Probable	50-59	Asian/Pacific Islander	Male	83	Suppressed
Probable	60-69	Asian/Pacific Islander	Male	34	Suppressed

Probable	70-79	Asian/Pacific Islander	Male	10	Suppressed
Probable	80+	Asian/Pacific Islander	Male	11	Suppressed
Probable	Unknown	Asian/Pacific Islander	Male	Suppressed	0
Probable	0-9	Black/African American	Male	471	0
Probable	10-19	Black/African American	Male	938	Suppressed
Probable	20-29	Black/African American	Male	1177	Suppressed
Probable	30-39	Black/African American	Male	1070	Suppressed
Probable	40-49	Black/African American	Male	796	11
Probable	50-59	Black/African American	Male	627	24
Probable	60-69	Black/African American	Male	336	35
Probable	70-79	Black/African American	Male	127	37
Probable	80+	Black/African American	Male	47	24
Probable	Unknown	Black/African American	Male	30	0
Probable	0-9	Multiple Races	Male	209	0
Probable	10-19	Multiple Races	Male	449	0
Probable	20-29	Multiple Races	Male	215	Suppressed
Probable	30-39	Multiple Races	Male	185	0
Probable	40-49	Multiple Races	Male	168	Suppressed
Probable	50-59	Multiple Races	Male	127	0
Probable	60-69	Multiple Races	Male	100	Suppressed
Probable	70-79	Multiple Races	Male	46	Suppressed
Probable	80+	Multiple Races	Male	21	7
Probable	Unknown	Multiple Races	Male	63	0
Probable	0-9	Other	Male	174	0
Probable	10-19	Other	Male	388	0
Probable	20-29	Other	Male	420	0
Probable	30-39	Other	Male	345	0
Probable	40-49	Other	Male	286	Suppressed
Probable	50-59	Other	Male	195	Suppressed
Probable	60-69	Other	Male	117	6
Probable	70-79	Other	Male	49	Suppressed
Probable	80+	Other	Male	10	Suppressed
Probable	Unknown	Other	Male	21	0
Probable	0-9	Unknown	Male	1637	0
Probable	10-19	Unknown	Male	3795	0
Probable	20-29	Unknown	Male	3982	0
Probable	30-39	Unknown	Male	3411	Suppressed
Probable	40-49	Unknown	Male	2986	Suppressed
Probable	50-59	Unknown	Male	2912	6
Probable	60-69	Unknown	Male	1651	8
Probable	70-79	Unknown	Male	658	10
Probable	80+	Unknown	Male	271	18
Probable	Unknown	Unknown	Male	1800	0
Probable	0-9	White	Male	4019	Suppressed
Probable	10-19	White	Male	8464	Suppressed
Probable	20-29	White	Male	6671	Suppressed
Probable	30-39	White	Male	5935	12
Probable	40-49	White	Male	5511	29
Probable	50-59	White	Male	5447	47
Probable	60-69	White	Male	3566	112

Probable	70-79	White	Male	1800	167
Probable	80+	White	Male	1152	251
Probable	Unknown	White	Male	434	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	20-29	Asian/Pacific Islander	Unknown	7	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	60-69	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	0-9	Black/African American	Unknown	15	0
Probable	10-19	Black/African American	Unknown	29	0
Probable	20-29	Black/African American	Unknown	12	0
Probable	30-39	Black/African American	Unknown	6	0
Probable	40-49	Black/African American	Unknown	9	0
Probable	50-59	Black/African American	Unknown	6	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	Suppressed	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	7	0
Probable	0-9	Multiple Races	Unknown	17	0
Probable	10-19	Multiple Races	Unknown	45	0
Probable	20-29	Multiple Races	Unknown	20	0
Probable	30-39	Multiple Races	Unknown	23	0
Probable	40-49	Multiple Races	Unknown	17	0
Probable	50-59	Multiple Races	Unknown	12	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	Suppressed	0
Probable	80+	Multiple Races	Unknown	Suppressed	0
Probable	Unknown	Multiple Races	Unknown	21	0
Probable	0-9	Other	Unknown	20	0
Probable	10-19	Other	Unknown	52	0
Probable	20-29	Other	Unknown	52	0
Probable	30-39	Other	Unknown	61	0
Probable	40-49	Other	Unknown	45	0
Probable	50-59	Other	Unknown	33	0
Probable	60-69	Other	Unknown	25	0

Probable	70-79	Other	Unknown	12	0
Probable	80+	Other	Unknown	Suppressed	0
Probable	Unknown	Other	Unknown	15	0
Probable	0-9	Unknown	Unknown	670	0
Probable	10-19	Unknown	Unknown	1332	0
Probable	20-29	Unknown	Unknown	1116	0
Probable	30-39	Unknown	Unknown	947	Suppressed
Probable	40-49	Unknown	Unknown	944	0
Probable	50-59	Unknown	Unknown	790	0
Probable	60-69	Unknown	Unknown	466	Suppressed
Probable	70-79	Unknown	Unknown	181	0
Probable	80+	Unknown	Unknown	71	Suppressed
Probable	Unknown	Unknown	Unknown	2516	0
Probable	0-9	White	Unknown	111	0
Probable	10-19	White	Unknown	235	0
Probable	20-29	White	Unknown	117	Suppressed
Probable	30-39	White	Unknown	110	0
Probable	40-49	White	Unknown	116	0
Probable	50-59	White	Unknown	92	0
Probable	60-69	White	Unknown	46	0
Probable	70-79	White	Unknown	36	0
Probable	80+	White	Unknown	15	Suppressed
Probable	Unknown	White	Unknown	67	0

PUBLIC USE DATASETS

COVID-19 Tests by County

README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities.

Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

COVID-19 TESTS BY COUNTY 2021-11-29

Updated	COUNTY	TestType	Count	RatePerMillion
2021/11/29 12:49:59	Alcona	Diagnostic	11454	1100817
2021/11/29 12:49:59	Alcona	Serology	246	23642
2021/11/29 12:49:59	Alcona	Total	11700	1124459
2021/11/29 12:49:59	Alger	Diagnostic	10129	1112099
2021/11/29 12:49:59	Alger	Serology	500	54897
2021/11/29 12:49:59	Alger	Total	10629	1166996
2021/11/29 12:49:59	Allegan	Diagnostic	163947	1388428
2021/11/29 12:49:59	Allegan	Serology	3795	32139
2021/11/29 12:49:59	Allegan	Total	167742	1420567
2021/11/29 12:49:59	Alpena	Serology	919	32353
2021/11/29 12:49:59	Alpena	Diagnostic	35002	1232248
2021/11/29 12:49:59	Alpena	Total	35921	1264601
2021/11/29 12:49:59	Antrim	Diagnostic	30262	1297462
2021/11/29 12:49:59	Antrim	Serology	971	41631
2021/11/29 12:49:59	Antrim	Total	31233	1339093
2021/11/29 12:49:59	Arenac	Diagnostic	25567	1717866
2021/11/29 12:49:59	Arenac	Serology	593	39844
2021/11/29 12:49:59	Arenac	Total	26160	1757710
2021/11/29 12:49:59	Baraga	Diagnostic	11194	1363625
2021/11/29 12:49:59	Baraga	Serology	71	8649
2021/11/29 12:49:59	Baraga	Total	11265	1372274
2021/11/29 12:49:59	Barry	Diagnostic	80986	1315776
2021/11/29 12:49:59	Barry	Serology	2568	41722
2021/11/29 12:49:59	Barry	Total	83554	1357498
2021/11/29 12:49:59	Bay	Diagnostic	174760	1694626
2021/11/29 12:49:59	Bay	Serology	7991	77488
2021/11/29 12:49:59	Bay	Total	182751	1772114
2021/11/29 12:49:59	Benzie	Serology	848	47732
2021/11/29 12:49:59	Benzie	Diagnostic	18028	1014747
2021/11/29 12:49:59	Benzie	Total	18876	1062479
2021/11/29 12:49:59	Berrien	Diagnostic	305914	1994211
2021/11/29 12:49:59	Berrien	Serology	7759	50580
2021/11/29 12:49:59	Berrien	Total	313673	2044791
2021/11/29 12:49:59	Branch	Diagnostic	62391	1433716
2021/11/29 12:49:59	Branch	Serology	825	18958
2021/11/29 12:49:59	Branch	Total	63216	1452674
2021/11/29 12:49:59	Calhoun	Serology	2228	16607
2021/11/29 12:49:59	Calhoun	Diagnostic	269055	2005493
2021/11/29 12:49:59	Calhoun	Total	271283	2022101
2021/11/29 12:49:59	Cass	Diagnostic	54295	1048429
2021/11/29 12:49:59	Cass	Serology	1006	19426
2021/11/29 12:49:59	Cass	Total	55301	1067855
2021/11/29 12:49:59	Charlevoix	Diagnostic	31237	1194851
2021/11/29 12:49:59	Charlevoix	Serology	1291	49382
2021/11/29 12:49:59	Charlevoix	Total	32528	1244234
2021/11/29 12:49:59	Cheboygan	Diagnostic	24711	977647
2021/11/29 12:49:59	Cheboygan	Serology	764	30226

2021/11/29 12:49:59	Cheboygan	Total	25475	1007873
2021/11/29 12:49:59	Chippewa	Serology	503	13468
2021/11/29 12:49:59	Chippewa	Diagnostic	40833	1093282
2021/11/29 12:49:59	Chippewa	Total	41336	1106750
2021/11/29 12:49:59	Clare	Diagnostic	38669	1249402
2021/11/29 12:49:59	Clare	Serology	1388	44847
2021/11/29 12:49:59	Clare	Total	40057	1294249
2021/11/29 12:49:59	Clinton	Serology	5165	64891
2021/11/29 12:49:59	Clinton	Diagnostic	79199	995025
2021/11/29 12:49:59	Clinton	Total	84364	1059916
2021/11/29 12:49:59	Correctional	Diagnostic	1045906	
2021/11/29 12:49:59	Correctional	Serology	31451	
2021/11/29 12:49:59	Correctional	Total	1077357	
2021/11/29 12:49:59	Crawford	Diagnostic	15622	1113551
2021/11/29 12:49:59	Crawford	Serology	438	31221
2021/11/29 12:49:59	Crawford	Total	16060	1144772
2021/11/29 12:49:59	Delta	Serology	1143	31942
2021/11/29 12:49:59	Delta	Diagnostic	57922	1618656
2021/11/29 12:49:59	Delta	Total	59065	1650598
2021/11/29 12:49:59	Detroit City	Serology	33357	51334
2021/11/29 12:49:59	Detroit City	Diagnostic	1289368	1984241
2021/11/29 12:49:59	Detroit City	Total	1322725	2035575
2021/11/29 12:49:59	Dickinson	Serology	222	8796
2021/11/29 12:49:59	Dickinson	Diagnostic	28225	1118309
2021/11/29 12:49:59	Dickinson	Total	28447	1127105
2021/11/29 12:49:59	Eaton	Serology	7602	68941
2021/11/29 12:49:59	Eaton	Diagnostic	177865	1613025
2021/11/29 12:49:59	Eaton	Total	185467	1681966
2021/11/29 12:49:59	Emmet	Serology	1860	55664
2021/11/29 12:49:59	Emmet	Diagnostic	43286	1295406
2021/11/29 12:49:59	Emmet	Total	45146	1351070
2021/11/29 12:49:59	Genesee	Diagnostic	555920	1369892
2021/11/29 12:49:59	Genesee	Serology	25242	62201
2021/11/29 12:49:59	Genesee	Total	581162	1432093
2021/11/29 12:49:59	Gladwin	Diagnostic	32234	1266612
2021/11/29 12:49:59	Gladwin	Serology	1355	53244
2021/11/29 12:49:59	Gladwin	Total	33589	1319855
2021/11/29 12:49:59	Gogebic	Diagnostic	25412	1818390
2021/11/29 12:49:59	Gogebic	Serology	265	18962
2021/11/29 12:49:59	Gogebic	Total	25677	1837352
2021/11/29 12:49:59	Grand Traverse	Serology	7546	81063
2021/11/29 12:49:59	Grand Traverse	Diagnostic	124388	1336241
2021/11/29 12:49:59	Grand Traverse	Total	131934	1417304
2021/11/29 12:49:59	Gratiot	Serology	1428	35077
2021/11/29 12:49:59	Gratiot	Diagnostic	77679	1908059
2021/11/29 12:49:59	Gratiot	Total	79107	1943136
2021/11/29 12:49:59	Hillsdale	Serology	1475	32343
2021/11/29 12:49:59	Hillsdale	Diagnostic	63830	1399627
2021/11/29 12:49:59	Hillsdale	Total	65305	1431970
2021/11/29 12:49:59	Houghton	Diagnostic	65189	1826841

2021/11/29 12:49:59	Houghton	Serology	311	8715
2021/11/29 12:49:59	Houghton	Total	65500	1835557
2021/11/29 12:49:59	Huron	Serology	1240	40025
2021/11/29 12:49:59	Huron	Diagnostic	39148	1263613
2021/11/29 12:49:59	Huron	Total	40388	1303638
2021/11/29 12:49:59	Ingham	Serology	22808	78001
2021/11/29 12:49:59	Ingham	Diagnostic	475163	1625011
2021/11/29 12:49:59	Ingham	Total	497971	1703012
2021/11/29 12:49:59	Ionia	Serology	2977	46014
2021/11/29 12:49:59	Ionia	Diagnostic	107162	1656367
2021/11/29 12:49:59	Ionia	Total	110139	1702382
2021/11/29 12:49:59	Iosco	Diagnostic	39204	1560234
2021/11/29 12:49:59	Iosco	Serology	785	31241
2021/11/29 12:49:59	Iosco	Total	39989	1591475
2021/11/29 12:49:59	Iron	Diagnostic	29980	2709199
2021/11/29 12:49:59	Iron	Serology	142	12832
2021/11/29 12:49:59	Iron	Total	30122	2722031
2021/11/29 12:49:59	Isabella	Diagnostic	93438	1337274
2021/11/29 12:49:59	Isabella	Serology	1855	26549
2021/11/29 12:49:59	Isabella	Total	95293	1363822
2021/11/29 12:49:59	Jackson	Diagnostic	304637	1921879
2021/11/29 12:49:59	Jackson	Serology	5125	32332
2021/11/29 12:49:59	Jackson	Total	309762	1954211
2021/11/29 12:49:59	Kalamazoo	Diagnostic	440675	1662510
2021/11/29 12:49:59	Kalamazoo	Serology	7855	29634
2021/11/29 12:49:59	Kalamazoo	Total	448530	1692145
2021/11/29 12:49:59	Kalkaska	Diagnostic	24890	1379865
2021/11/29 12:49:59	Kalkaska	Serology	932	51669
2021/11/29 12:49:59	Kalkaska	Total	25822	1431533
2021/11/29 12:49:59	Kent	Diagnostic	1278662	1946346
2021/11/29 12:49:59	Kent	Serology	54278	82621
2021/11/29 12:49:59	Kent	Total	1332940	2028967
2021/11/29 12:49:59	Keweenaw	Diagnostic	3289	1554348
2021/11/29 12:49:59	Keweenaw	Serology	40	18904
2021/11/29 12:49:59	Keweenaw	Total	3329	1573251
2021/11/29 12:49:59	Lake	Diagnostic	15085	1272674
2021/11/29 12:49:59	Lake	Serology	280	23623
2021/11/29 12:49:59	Lake	Total	15365	1296296
2021/11/29 12:49:59	Lapeer	Serology	4977	56811
2021/11/29 12:49:59	Lapeer	Diagnostic	97444	1112286
2021/11/29 12:49:59	Lapeer	Total	102421	1169096
2021/11/29 12:49:59	Leelanau	Diagnostic	17869	821148
2021/11/29 12:49:59	Leelanau	Serology	1261	57948
2021/11/29 12:49:59	Leelanau	Total	19130	879096
2021/11/29 12:49:59	Lenawee	Serology	3087	31356
2021/11/29 12:49:59	Lenawee	Diagnostic	181000	1838478
2021/11/29 12:49:59	Lenawee	Total	184087	1869834
2021/11/29 12:49:59	Livingston	Serology	10550	54949
2021/11/29 12:49:59	Livingston	Diagnostic	297908	1551645
2021/11/29 12:49:59	Livingston	Total	308458	1606594

2021/11/29 12:49:59	Luce	Diagnostic	8210	1318029
2021/11/29 12:49:59	Luce	Serology	40	6422
2021/11/29 12:49:59	Luce	Total	8250	1324450
2021/11/29 12:49:59	Mackinac	Diagnostic	13465	1246875
2021/11/29 12:49:59	Mackinac	Serology	210	19446
2021/11/29 12:49:59	Mackinac	Total	13675	1266321
2021/11/29 12:49:59	Macomb	Serology	81656	93431
2021/11/29 12:49:59	Macomb	Diagnostic	1348983	1543508
2021/11/29 12:49:59	Macomb	Total	1430639	1636939
2021/11/29 12:49:59	Manistee	Diagnostic	27610	1124277
2021/11/29 12:49:59	Manistee	Serology	1108	45118
2021/11/29 12:49:59	Manistee	Total	28718	1169395
2021/11/29 12:49:59	Marquette	Serology	1677	25143
2021/11/29 12:49:59	Marquette	Diagnostic	162277	2432975
2021/11/29 12:49:59	Marquette	Total	163954	2458118
2021/11/29 12:49:59	Mason	Serology	1309	44915
2021/11/29 12:49:59	Mason	Diagnostic	49219	1688821
2021/11/29 12:49:59	Mason	Total	50528	1733736
2021/11/29 12:49:59	Mecosta	Diagnostic	56208	1293536
2021/11/29 12:49:59	Mecosta	Serology	1307	30078
2021/11/29 12:49:59	Mecosta	Total	57515	1323614
2021/11/29 12:49:59	Menominee	Diagnostic	35632	1564179
2021/11/29 12:49:59	Menominee	Serology	235	10316
2021/11/29 12:49:59	Menominee	Total	35867	1574495
2021/11/29 12:49:59	Midland	Serology	8243	99127
2021/11/29 12:49:59	Midland	Diagnostic	103797	1248220
2021/11/29 12:49:59	Midland	Total	112040	1347347
2021/11/29 12:49:59	Missaukee	Serology	783	51793
2021/11/29 12:49:59	Missaukee	Diagnostic	15351	1015412
2021/11/29 12:49:59	Missaukee	Total	16134	1067205
2021/11/29 12:49:59	Monroe	Serology	7724	51322
2021/11/29 12:49:59	Monroe	Diagnostic	219047	1455462
2021/11/29 12:49:59	Monroe	Total	226771	1506784
2021/11/29 12:49:59	Montcalm	Diagnostic	109221	1709570
2021/11/29 12:49:59	Montcalm	Serology	3094	48428
2021/11/29 12:49:59	Montcalm	Total	112315	1757998
2021/11/29 12:49:59	Montmorency	Diagnostic	12691	1360527
2021/11/29 12:49:59	Montmorency	Serology	500	53602
2021/11/29 12:49:59	Montmorency	Total	13191	1414130
2021/11/29 12:49:59	Muskegon	Diagnostic	301346	1736204
2021/11/29 12:49:59	Muskegon	Serology	4815	27742
2021/11/29 12:49:59	Muskegon	Total	306161	1763946
2021/11/29 12:49:59	Newaygo	Diagnostic	65252	1332217
2021/11/29 12:49:59	Newaygo	Serology	2215	45223
2021/11/29 12:49:59	Newaygo	Total	67467	1377440
2021/11/29 12:49:59	Oakland	Diagnostic	2096497	1667083
2021/11/29 12:49:59	Oakland	Serology	144296	114741
2021/11/29 12:49:59	Oakland	Total	2240793	1781824
2021/11/29 12:49:59	Oceana	Diagnostic	49058	1853553
2021/11/29 12:49:59	Oceana	Serology	1174	44357

2021/11/29 12:49:59	Oceana	Total	50232	1897911
2021/11/29 12:49:59	Ogemaw	Diagnostic	28196	1342859
2021/11/29 12:49:59	Ogemaw	Serology	702	33433
2021/11/29 12:49:59	Ogemaw	Total	28898	1376292
2021/11/29 12:49:59	Ontonagon	Diagnostic	10026	1752797
2021/11/29 12:49:59	Ontonagon	Serology	73	12762
2021/11/29 12:49:59	Ontonagon	Total	10099	1765559
2021/11/29 12:49:59	Osceola	Serology	1467	62532
2021/11/29 12:49:59	Osceola	Diagnostic	35955	1532609
2021/11/29 12:49:59	Osceola	Total	37422	1595141
2021/11/29 12:49:59	Oscoda	Serology	415	50358
2021/11/29 12:49:59	Oscoda	Diagnostic	8049	976702
2021/11/29 12:49:59	Oscoda	Total	8464	1027060
2021/11/29 12:49:59	Otsego	Serology	1334	54078
2021/11/29 12:49:59	Otsego	Diagnostic	34749	1408667
2021/11/29 12:49:59	Otsego	Total	36083	1462745
2021/11/29 12:49:59	Ottawa	Diagnostic	529853	1815622
2021/11/29 12:49:59	Ottawa	Serology	18339	62841
2021/11/29 12:49:59	Ottawa	Total	548192	1878463
2021/11/29 12:49:59	Presque Isle	Diagnostic	15050	1195203
2021/11/29 12:49:59	Presque Isle	Serology	646	51302
2021/11/29 12:49:59	Presque Isle	Total	15696	1246506
2021/11/29 12:49:59	Roscommon	Diagnostic	30429	1266872
2021/11/29 12:49:59	Roscommon	Serology	902	37554
2021/11/29 12:49:59	Roscommon	Total	31331	1304426
2021/11/29 12:49:59	Saginaw	Serology	11039	57936
2021/11/29 12:49:59	Saginaw	Diagnostic	337756	1772634
2021/11/29 12:49:59	Saginaw	Total	348795	1830570
2021/11/29 12:49:59	Sanilac	Diagnostic	64275	1561210
2021/11/29 12:49:59	Sanilac	Serology	1946	47267
2021/11/29 12:49:59	Sanilac	Total	66221	1608477
2021/11/29 12:49:59	Schoolcraft	Diagnostic	7034	869039
2021/11/29 12:49:59	Schoolcraft	Serology	74	9143
2021/11/29 12:49:59	Schoolcraft	Total	7108	878181
2021/11/29 12:49:59	Shiawassee	Diagnostic	102605	1506195
2021/11/29 12:49:59	Shiawassee	Serology	3280	48149
2021/11/29 12:49:59	Shiawassee	Total	105885	1554344
2021/11/29 12:49:59	St Clair	Serology	11000	69127
2021/11/29 12:49:59	St Clair	Diagnostic	211700	1330376
2021/11/29 12:49:59	St Clair	Total	222700	1399502
2021/11/29 12:49:59	St Joseph	Diagnostic	78516	1287908
2021/11/29 12:49:59	St Joseph	Serology	2026	33233
2021/11/29 12:49:59	St Joseph	Total	80542	1321140
2021/11/29 12:49:59	Tuscola	Serology	2801	53613
2021/11/29 12:49:59	Tuscola	Diagnostic	84084	1609417
2021/11/29 12:49:59	Tuscola	Total	86885	1663030
2021/11/29 12:49:59	Unknown	Diagnostic	682528	
2021/11/29 12:49:59	Unknown	Serology	33133	
2021/11/29 12:49:59	Unknown	Total	715661	
2021/11/29 12:49:59	Van Buren	Diagnostic	130610	1725888

2021/11/29 12:49:59	Van Buren	Serology	2002	26455
2021/11/29 12:49:59	Van Buren	Total	132612	1752342
2021/11/29 12:49:59	Washtenaw	Diagnostic	1045451	2843983
2021/11/29 12:49:59	Washtenaw	Serology	20711	56341
2021/11/29 12:49:59	Washtenaw	Total	1066162	2900324
2021/11/29 12:49:59	Wayne	Diagnostic	2050748	1857878
2021/11/29 12:49:59	Wayne	Serology	96099	87061
2021/11/29 12:49:59	Wayne	Total	2146847	1944939
2021/11/29 12:49:59	Wexford	Diagnostic	44727	1329934
2021/11/29 12:49:59	Wexford	Serology	1511	44929
2021/11/29 12:49:59	Wexford	Total	46238	1374862

PUBLIC USE DATASETS

Diagnostic Tests by Result and County

README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities.

Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to de-duplicate testing data, some duplication may occur.

DIAGNOSTIC TESTS BY RESULT AND COUNTY 2021-11-29

MessageDate	COUNTY	Negative	Positive	Total
11/28/2021	Alcona	3	6	9
11/28/2021	Alger	5	0	5
11/28/2021	Allegan	270	69	339
11/28/2021	Alpena	21	7	28
11/28/2021	Antrim	25	2	27
11/28/2021	Arenac	40	9	49
11/28/2021	Baraga	44	0	44
11/28/2021	Barry	89	34	123
11/28/2021	Bay	255	64	319
11/28/2021	Benzie	28	9	37
11/28/2021	Berrien	305	55	360
11/28/2021	Branch	57	23	80
11/28/2021	Calhoun	242	95	337
11/28/2021	Cass	33	14	47
11/28/2021	Charlevoix	37	6	43
11/28/2021	Cheboygan	25	7	32
11/28/2021	Chippewa	88	5	93
11/28/2021	Clare	42	5	47
11/28/2021	Clinton	104	17	121
11/28/2021	Correctional	54	5	59
11/28/2021	Crawford	36	12	48
11/28/2021	Delta	40	8	48
11/28/2021	Detroit City	1609	372	1981
11/28/2021	Dickinson	5	2	7
11/28/2021	Eaton	217	54	271
11/28/2021	Emmet	35	6	41
11/28/2021	Genesee	840	263	1103
11/28/2021	Gladwin	20	6	26
11/28/2021	Gogebic	16	7	23
11/28/2021	Grand Traverse	157	40	197
11/28/2021	Gratiot	43	9	52
11/28/2021	Hillsdale	72	30	102
11/28/2021	Houghton	32	3	35
11/28/2021	Huron	37	10	47
11/28/2021	Ingham	666	119	785
11/28/2021	Ionia	125	39	164
11/28/2021	Iosco	43	18	61
11/28/2021	Iron	11	6	17
11/28/2021	Isabella	89	23	112
11/28/2021	Jackson	409	103	512
11/28/2021	Kalamazoo	581	143	724
11/28/2021	Kalkaska	32	9	41
11/28/2021	Kent	1640	459	2099
11/28/2021	Keweenaw	1	0	1
11/28/2021	Lake	10	3	13
11/28/2021	Lapeer	172	60	232
11/28/2021	Leelanau	17	4	21

11/28/2021	Lenawee	192	59	251
11/28/2021	Livingston	590	159	749
11/28/2021	Luce	1	4	5
11/28/2021	Mackinac	6	1	7
11/28/2021	Macomb	2967	832	3799
11/28/2021	Manistee	52	12	64
11/28/2021	Marquette	67	11	78
11/28/2021	Mason	74	20	94
11/28/2021	Mecosta	60	21	81
11/28/2021	Menominee	54	7	61
11/28/2021	Midland	99	23	122
11/28/2021	Missaukee	14	4	18
11/28/2021	Monroe	337	92	429
11/28/2021	Montcalm	108	48	156
11/28/2021	Montmorency	17	6	23
11/28/2021	Muskegon	455	131	586
11/28/2021	Newaygo	87	35	122
11/28/2021	Oakland	4660	925	5585
11/28/2021	Oceana	63	21	84
11/28/2021	Ogemaw	35	4	39
11/28/2021	Ontonagon	4	1	5
11/28/2021	Osceola	45	12	57
11/28/2021	Oscoda	12	0	12
11/28/2021	Otsego	58	16	74
11/28/2021	Ottawa	824	252	1076
11/28/2021	Presque Isle	13	0	13
11/28/2021	Roscommon	48	10	58
11/28/2021	Saginaw	373	100	473
11/28/2021	Sanilac	85	55	140
11/28/2021	Schoolcraft	0	1	1
11/28/2021	Shiawassee	167	65	232
11/28/2021	St Clair	457	153	610
11/28/2021	St Joseph	85	31	116
11/28/2021	Tuscola	103	67	170
11/28/2021	Unknown	991	249	1240
11/28/2021	Van Buren	128	45	173
11/28/2021	Washtenaw	1251	189	1440
11/28/2021	Wayne	4695	1103	5798
11/28/2021	Wexford	57	12	69
11/27/2021	Alcona	15	1	16
11/27/2021	Alger	11	1	12
11/27/2021	Allegan	202	84	286
11/27/2021	Alpena	68	5	73
11/27/2021	Antrim	17	8	25
11/27/2021	Arenac	14	4	18
11/27/2021	Baraga	6	3	9
11/27/2021	Barry	66	17	83
11/27/2021	Bay	158	57	215
11/27/2021	Benzie	17	4	21
11/27/2021	Berrien	180	76	256

11/27/2021	Branch	67	23	90
11/27/2021	Calhoun	242	59	301
11/27/2021	Cass	53	13	66
11/27/2021	Charlevoix	27	6	33
11/27/2021	Cheboygan	23	3	26
11/27/2021	Chippewa	74	9	83
11/27/2021	Clare	99	25	124
11/27/2021	Clinton	75	17	92
11/27/2021	Correctional	81	10	91
11/27/2021	Crawford	14	7	21
11/27/2021	Delta	75	19	94
11/27/2021	Detroit City	917	209	1126
11/27/2021	Dickinson	38	6	44
11/27/2021	Eaton	151	42	193
11/27/2021	Emmet	36	4	40
11/27/2021	Genesee	566	233	799
11/27/2021	Gladwin	42	12	54
11/27/2021	Gogebic	25	11	36
11/27/2021	Grand Traverse	137	36	173
11/27/2021	Gratiot	54	9	63
11/27/2021	Hillsdale	49	12	61
11/27/2021	Houghton	92	23	115
11/27/2021	Huron	31	17	48
11/27/2021	Ingham	351	89	440
11/27/2021	Ionia	137	63	200
11/27/2021	Iosco	26	2	28
11/27/2021	Iron	24	7	31
11/27/2021	Isabella	98	19	117
11/27/2021	Jackson	345	109	454
11/27/2021	Kalamazoo	653	140	793
11/27/2021	Kalkaska	21	9	30
11/27/2021	Kent	1061	321	1382
11/27/2021	Keweenaw	2	4	6
11/27/2021	Lake	16	6	22
11/27/2021	Lapeer	89	28	117
11/27/2021	Leelanau	33	5	38
11/27/2021	Lenawee	249	93	342
11/27/2021	Livingston	319	83	402
11/27/2021	Luce	2	3	5
11/27/2021	Mackinac	11	4	15
11/27/2021	Macomb	1754	492	2246
11/27/2021	Manistee	22	7	29
11/27/2021	Marquette	112	40	152
11/27/2021	Mason	113	28	141
11/27/2021	Mecosta	79	24	103
11/27/2021	Menominee	36	5	41
11/27/2021	Midland	216	40	256
11/27/2021	Missaukee	17	7	24
11/27/2021	Monroe	242	50	292
11/27/2021	Montcalm	123	45	168

11/27/2021	Montmorency	20	3	23
11/27/2021	Muskegon	460	106	566
11/27/2021	Newaygo	107	48	155
11/27/2021	Oakland	3013	604	3617
11/27/2021	Oceana	77	35	112
11/27/2021	Ogemaw	31	9	40
11/27/2021	Ontonagon	4	0	4
11/27/2021	Osceola	46	16	62
11/27/2021	Oscoda	11	2	13
11/27/2021	Otsego	29	10	39
11/27/2021	Ottawa	470	134	604
11/27/2021	Presque Isle	17	1	18
11/27/2021	Roscommon	27	7	34
11/27/2021	Saginaw	226	71	297
11/27/2021	Sanilac	42	23	65
11/27/2021	Schoolcraft	3	0	3
11/27/2021	Shiawassee	130	43	173
11/27/2021	St Clair	349	88	437
11/27/2021	St Joseph	44	17	61
11/27/2021	Tuscola	36	15	51
11/27/2021	Unknown	357	70	427
11/27/2021	Van Buren	192	76	268
11/27/2021	Washtenaw	1235	94	1329
11/27/2021	Wayne	2906	626	3532
11/27/2021	Wexford	24	6	30
11/26/2021	Alcona	19	5	24
11/26/2021	Alger	3	1	4
11/26/2021	Allegan	146	55	201
11/26/2021	Alpena	39	13	52
11/26/2021	Antrim	12	6	18
11/26/2021	Arenac	31	14	45
11/26/2021	Baraga	2	0	2
11/26/2021	Barry	56	23	79
11/26/2021	Bay	301	81	382
11/26/2021	Benzie	31	11	42
11/26/2021	Berrien	243	63	306
11/26/2021	Branch	30	21	51
11/26/2021	Calhoun	181	69	250
11/26/2021	Cass	31	11	42
11/26/2021	Charlevoix	33	12	45
11/26/2021	Cheboygan	19	8	27
11/26/2021	Chippewa	61	5	66
11/26/2021	Clare	33	11	44
11/26/2021	Clinton	110	25	135
11/26/2021	Correctional	6	1	7
11/26/2021	Crawford	25	16	41
11/26/2021	Delta	49	6	55
11/26/2021	Detroit City	1048	177	1225
11/26/2021	Dickinson	54	3	57
11/26/2021	Eaton	217	78	295

11/26/2021	Emmet	34	5	39
11/26/2021	Genesee	819	313	1132
11/26/2021	Gladwin	10	4	14
11/26/2021	Gogebic	19	6	25
11/26/2021	Grand Traverse	135	26	161
11/26/2021	Gratiot	43	12	55
11/26/2021	Hillsdale	75	50	125
11/26/2021	Houghton	61	10	71
11/26/2021	Huron	33	8	41
11/26/2021	Ingham	601	100	701
11/26/2021	Ionia	79	39	118
11/26/2021	Iosco	29	10	39
11/26/2021	Iron	34	6	40
11/26/2021	Isabella	105	31	136
11/26/2021	Jackson	229	103	332
11/26/2021	Kalamazoo	349	90	439
11/26/2021	Kalkaska	18	9	27
11/26/2021	Kent	1384	344	1728
11/26/2021	Keweenaw	7	1	8
11/26/2021	Lake	12	1	13
11/26/2021	Lapeer	156	75	231
11/26/2021	Leelanau	14	3	17
11/26/2021	Lenawee	136	36	172
11/26/2021	Livingston	336	84	420
11/26/2021	Luce	2	2	4
11/26/2021	Mackinac	10	9	19
11/26/2021	Macomb	2371	618	2989
11/26/2021	Manistee	24	4	28
11/26/2021	Marquette	58	6	64
11/26/2021	Mason	55	21	76
11/26/2021	Mecosta	53	26	79
11/26/2021	Menominee	32	7	39
11/26/2021	Midland	108	26	134
11/26/2021	Missaukee	24	5	29
11/26/2021	Monroe	259	75	334
11/26/2021	Montcalm	131	31	162
11/26/2021	Montmorency	8	4	12
11/26/2021	Muskegon	340	94	434
11/26/2021	Newaygo	59	21	80
11/26/2021	Oakland	3289	654	3943
11/26/2021	Oceana	41	9	50
11/26/2021	Ogemaw	29	4	33
11/26/2021	Ontonagon	9	1	10
11/26/2021	Osceola	32	13	45
11/26/2021	Oscoda	7	2	9
11/26/2021	Otsego	30	7	37
11/26/2021	Ottawa	437	170	607
11/26/2021	Presque Isle	5	0	5
11/26/2021	Roscommon	37	6	43
11/26/2021	Saginaw	394	96	490

11/26/2021	Sanilac	66	27	93
11/26/2021	Schoolcraft	2	0	2
11/26/2021	Shiawassee	129	51	180
11/26/2021	St Clair	284	110	394
11/26/2021	St Joseph	43	16	59
11/26/2021	Tuscola	89	52	141
11/26/2021	Unknown	485	85	570
11/26/2021	Van Buren	81	30	111
11/26/2021	Washtenaw	685	116	801
11/26/2021	Wayne	2638	566	3204
11/26/2021	Wexford	58	19	77
11/25/2021	Alcona	25	6	31
11/25/2021	Alger	4	4	8
11/25/2021	Allegan	283	96	379
11/25/2021	Alpena	84	30	114
11/25/2021	Antrim	46	14	60
11/25/2021	Arenac	56	15	71
11/25/2021	Baraga	2	1	3
11/25/2021	Barry	114	34	148
11/25/2021	Bay	244	70	314
11/25/2021	Benzie	36	4	40
11/25/2021	Berrien	319	102	421
11/25/2021	Branch	85	36	121
11/25/2021	Calhoun	384	104	488
11/25/2021	Cass	62	44	106
11/25/2021	Charlevoix	42	4	46
11/25/2021	Cheboygan	52	9	61
11/25/2021	Chippewa	48	8	56
11/25/2021	Clare	90	26	116
11/25/2021	Clinton	116	39	155
11/25/2021	Correctional	70	5	75
11/25/2021	Crawford	27	10	37
11/25/2021	Delta	78	17	95
11/25/2021	Detroit City	1613	342	1955
11/25/2021	Dickinson	16	3	19
11/25/2021	Eaton	350	87	437
11/25/2021	Emmet	185	9	194
11/25/2021	Genesee	1121	382	1503
11/25/2021	Gladwin	69	13	82
11/25/2021	Gogebic	45	9	54
11/25/2021	Grand Traverse	233	52	285
11/25/2021	Gratiot	94	24	118
11/25/2021	Hillsdale	88	70	158
11/25/2021	Houghton	52	37	89
11/25/2021	Huron	56	23	79
11/25/2021	Ingham	978	170	1148
11/25/2021	Ionia	171	58	229
11/25/2021	Iosco	74	24	98
11/25/2021	Iron	14	2	16
11/25/2021	Isabella	210	32	242

11/25/2021	Jackson	444	141	585
11/25/2021	Kalamazoo	746	151	897
11/25/2021	Kalkaska	52	2	54
11/25/2021	Kent	1645	524	2169
11/25/2021	Keweenaw	2	1	3
11/25/2021	Lake	19	4	23
11/25/2021	Lapeer	157	83	240
11/25/2021	Leelanau	67	17	84
11/25/2021	Lenawee	207	55	262
11/25/2021	Livingston	648	156	804
11/25/2021	Luce	1	4	5
11/25/2021	Mackinac	13	4	17
11/25/2021	Macomb	3145	659	3804
11/25/2021	Manistee	24	12	36
11/25/2021	Marquette	185	29	214
11/25/2021	Mason	85	26	111
11/25/2021	Mecosta	95	13	108
11/25/2021	Menominee	51	5	56
11/25/2021	Midland	141	38	179
11/25/2021	Missaukee	24	5	29
11/25/2021	Monroe	354	78	432
11/25/2021	Montcalm	149	58	207
11/25/2021	Montmorency	18	9	27
11/25/2021	Muskegon	508	171	679
11/25/2021	Newaygo	75	37	112
11/25/2021	Oakland	4982	819	5801
11/25/2021	Oceana	62	19	81
11/25/2021	Ogemaw	44	10	54
11/25/2021	Ontonagon	10	3	13
11/25/2021	Osceola	45	14	59
11/25/2021	Oscoda	7	3	10
11/25/2021	Otsego	77	19	96
11/25/2021	Ottawa	854	276	1130
11/25/2021	Presque Isle	18	3	21
11/25/2021	Roscommon	69	22	91
11/25/2021	Saginaw	452	113	565
11/25/2021	Sanilac	85	32	117
11/25/2021	Schoolcraft	6	1	7
11/25/2021	Shiawassee	370	88	458
11/25/2021	St Clair	528	115	643
11/25/2021	St Joseph	109	34	143
11/25/2021	Tuscola	122	67	189
11/25/2021	Unknown	708	126	834
11/25/2021	Van Buren	218	73	291
11/25/2021	Washtenaw	2226	268	2494
11/25/2021	Wayne	4247	758	5005
11/25/2021	Wexford	66	18	84
11/24/2021	Alcona	22	7	29
11/24/2021	Alger	12	2	14
11/24/2021	Allegan	278	94	372

11/24/2021	Alpena	87	26	113
11/24/2021	Antrim	33	8	41
11/24/2021	Arenac	37	13	50
11/24/2021	Baraga	2	2	4
11/24/2021	Barry	98	28	126
11/24/2021	Bay	371	102	473
11/24/2021	Benzie	37	6	43
11/24/2021	Berrien	396	128	524
11/24/2021	Branch	109	46	155
11/24/2021	Calhoun	360	101	461
11/24/2021	Cass	74	21	95
11/24/2021	Charlevoix	53	11	64
11/24/2021	Cheboygan	47	10	57
11/24/2021	Chippewa	78	16	94
11/24/2021	Clare	100	27	127
11/24/2021	Clinton	171	37	208
11/24/2021	Correctional	189	10	199
11/24/2021	Crawford	24	13	37
11/24/2021	Delta	97	18	115
11/24/2021	Detroit City	2104	327	2431
11/24/2021	Dickinson	35	11	46
11/24/2021	Eaton	363	93	456
11/24/2021	Emmet	65	11	76
11/24/2021	Genesee	1369	405	1774
11/24/2021	Gladwin	67	10	77
11/24/2021	Gogebic	42	17	59
11/24/2021	Grand Traverse	232	45	277
11/24/2021	Gratiot	128	23	151
11/24/2021	Hillsdale	96	38	134
11/24/2021	Houghton	151	58	209
11/24/2021	Huron	89	32	121
11/24/2021	Ingham	833	153	986
11/24/2021	Ionia	183	74	257
11/24/2021	Iosco	62	16	78
11/24/2021	Iron	34	2	36
11/24/2021	Isabella	268	41	309
11/24/2021	Jackson	502	146	648
11/24/2021	Kalamazoo	675	139	814
11/24/2021	Kalkaska	38	11	49
11/24/2021	Kent	2925	865	3790
11/24/2021	Keweenaw	3	2	5
11/24/2021	Lake	17	5	22
11/24/2021	Lapeer	217	99	316
11/24/2021	Leelanau	46	5	51
11/24/2021	Lenawee	531	66	597
11/24/2021	Livingston	710	171	881
11/24/2021	Luce	12	1	13
11/24/2021	Mackinac	32	9	41
11/24/2021	Macomb	3774	846	4620
11/24/2021	Manistee	48	10	58

11/24/2021	Marquette	244	48	292
11/24/2021	Mason	146	41	187
11/24/2021	Mecosta	102	29	131
11/24/2021	Menominee	108	13	121
11/24/2021	Midland	249	47	296
11/24/2021	Missaukee	21	7	28
11/24/2021	Monroe	357	98	455
11/24/2021	Montcalm	177	68	245
11/24/2021	Montmorency	27	5	32
11/24/2021	Muskegon	759	304	1063
11/24/2021	Newaygo	157	78	235
11/24/2021	Oakland	6477	1082	7559
11/24/2021	Oceana	92	45	137
11/24/2021	Ogemaw	30	8	38
11/24/2021	Ontonagon	12	5	17
11/24/2021	Osceola	60	19	79
11/24/2021	Oscoda	14	5	19
11/24/2021	Otsego	87	17	104
11/24/2021	Ottawa	1220	339	1559
11/24/2021	Presque Isle	31	3	34
11/24/2021	Roscommon	70	27	97
11/24/2021	Saginaw	737	179	916
11/24/2021	Sanilac	119	51	170
11/24/2021	Schoolcraft	2	0	2
11/24/2021	Shiawassee	295	85	380
11/24/2021	St Clair	682	186	868
11/24/2021	St Joseph	87	42	129
11/24/2021	Tuscola	98	35	133
11/24/2021	Unknown	937	242	1179
11/24/2021	Van Buren	195	75	270
11/24/2021	Washtenaw	3294	209	3503
11/24/2021	Wayne	5263	1010	6273
11/24/2021	Wexford	94	38	132